



1653

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/549,463A

DATE: 04/23/2002

TIME: 15:22:38

Input Set : N:\Crf3\Refhold\I549463A.raw

Output Set: N:\CRF3\04232002\I549463A.raw

C--> 1 <110> APPLICANT: Hatteboer, Guus
2 Verhulst, Karine Cornelia
3 Schouten, Govert Johan
4 Uytdehaag, Alphonsus Gerardus Cornelis Maria
5 Bout, Abraham
6 <120> TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN A HUMAN CELL
7 <130> FILE REFERENCE: 4038.1US
8 <140> CURRENT APPLICATION NUMBER: US/09/549,463A
9 <141> CURRENT FILING DATE: 2000-04-14
10 <150> PRIOR APPLICATION NUMBER: 06/129,452
11 <151> PRIOR FILING DATE: 1999-04-15
12 <160> NUMBER OF SEQ ID NOS: 32
13 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 41
16 <212> TYPE: DNA
17 <213> ORGANISM: Artificial Sequence
18 <220> FEATURE:
19 <223> OTHER INFORMATION: PCR Primer-DHFR up, synthesized sequence
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23 <211> LENGTH: 37
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: PCR Primer-DHFR down, synthesized sequence
28 <400> SEQUENCE: 2
29 gatccacgtg agatctttaa tcattcttct catatac 37
30 <210> SEQ ID NO: 3
31 <211> LENGTH: 85
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: polylinker fragment, synthesized sequence, restriction
fragment from
36 digestion of pIPspAdapt 6 with AgeI and Bam HI
37 <400> SEQUENCE: 3
38 accggtgaat tcggcgcgcc gtcgacgata tcgatcggac cgacgcgttc gcgagcggcc 60
39 gcaattcgct agcgtaacg gatcc 85
40 <210> SEQ ID NO: 4
41 <211> LENGTH: 86
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence

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48 <220> FEATURE:

49 <223> OTHER INFORMATION: polylinker fragment, synthesized sequence, restriction
fragment from

50 digestion of pIPspAdapt7 with AgeI and Bam HI

51 <400> SEQUENCE: 4

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53 ccgaattcgc tagcggttaac ggatcc 86

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56 <211> LENGTH: 43

57 <212> TYPE: DNA

58 <213> ORGANISM: Artificial Sequence

59 <220> FEATURE:

60 <223> OTHER INFORMATION: PCR Primer-EPO-START, synthesized sequence

61 <400> SEQUENCE: 5

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64 <210> SEQ ID NO: 6

65 <211> LENGTH: 38

66 <212> TYPE: DNA

67 <213> ORGANISM: Artificial Sequence

68 <220> FEATURE:

69 <223> OTHER INFORMATION: PCR Primer-EPO-STOP, synthesized sequence

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71 aaaaaggatc ctcatctgct cccgtgctctg caggcctc 38

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74 <211> LENGTH: 47

75 <212> TYPE: DNA

76 <213> ORGANISM: Artificial Sequence

77 <220> FEATURE:

78 <223> OTHER INFORMATION: PCR Primer-LTR-1, synthesized sequence

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80 ctgtacgtac cagtgcactg gcctagggcat ggaaaaatac ataactg 47

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85 <213> ORGANISM: Artificial Sequence

86 <220> FEATURE:

87 <223> OTHER INFORMATION: PCR Primer-LTR-2, synthesized sequence

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90 atcg 64

92 <210> SEQ ID NO: 9

93 <211> LENGTH: 28

94 <212> TYPE: DNA

95 <213> ORGANISM: Artificial Sequence

96 <220> FEATURE:

97 <223> OTHER INFORMATION: PCR Primer-HSA1, synthesized sequence

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99 gcgccaccat gggcagagcg atggtggc 28

101 <210> SEQ ID NO: 10

102 <211> LENGTH: 50

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105 <220> FEATURE:
106 <223> OTHER INFORMATION: PCR Primer-HSA2, synthesized sequence
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111 <211> LENGTH: 10
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113 <213> ORGANISM: Artificial Sequence
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115 <223> OTHER INFORMATION: Oligonucleotide, synthesized sequence, EcoRI linker
116 <400> SEQUENCE: 11
117      ttaagtcgac      10
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120 <211> LENGTH: 10
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122 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, EcoRI linker
125 <400> SEQUENCE: 12
126      ttaagtcgac      10
128 <210> SEQ ID NO: 13
129 <211> LENGTH: 23
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131 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PacI linker
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135      aattgtctta attaaccgct taa      23
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138 <211> LENGTH: 67
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PLL-1
143 <400> SEQUENCE: 14
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145      gatctgg      67
147 <210> SEQ ID NO: 15
148 <211> LENGTH: 67
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PLL-2
153 <400> SEQUENCE: 15
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155      ggatggc      67
157 <210> SEQ ID NO: 16

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158 <211> LENGTH: 39
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161 <220> FEATURE:
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164     gatcgggtacc actgcagtgg tcaatattgg ccattagcc           39
166 <210> SEQ ID NO: 17
167 <211> LENGTH: 29
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: PCR Primer-CMVminA, synthesized sequence
172 <400> SEQUENCE: 17
173     gatcaagctt ccaatgcacc gttcccggc           29
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176 <211> LENGTH: 34
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
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181 <400> SEQUENCE: 18
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185 <211> LENGTH: 30
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: PCR Primer-CAMH-DOWN, synthesized sequence
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197 <220> FEATURE:
198 <223> OTHER INFORMATION: PCR Primer-CAML-UP, synthesized sequence
199 <400> SEQUENCE: 20
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203 <211> LENGTH: 31
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: PCR Primer-CAML-DOWN, synthesized sequence
208 <400> SEQUENCE: 21
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211 <210> SEQ ID NO: 22
212 <211> LENGTH: 20

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213 <212> TYPE: PRT
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215 <220> FEATURE:
216 <223> OTHER INFORMATION: leader peptide sequence, synthesized sequence
217 <400> SEQUENCE: 22
218      Met Ala Cys Pro Gly Phe Leu Trp Ala Leu Val Ile Ser Thr Cys Leu
219      1              5              10              15
220      Glu Phe Ser Met
221              20
223 <210> SEQ ID NO: 23
224 <211> LENGTH: 60
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: oligonucleotide-leader peptide coding sequence, synthesized
sequence
229 <400> SEQUENCE: 23
230      atggcatgcc ctggcttcct gtgggcactt gtgatctcca cctgtcttga attttccatg      60
232 <210> SEQ ID NO: 24
233 <211> LENGTH: 38
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: PCR Primer-UBS-UP, synthesized sequence
238 <400> SEQUENCE: 24
239      gatcacgcgt gctagccacc atggcatgcc ctggcttc      38
241 <210> SEQ ID NO: 25
242 <211> LENGTH: 20
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: leader peptide, synthesized sequence
247 <400> SEQUENCE: 25
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249      1              5              10              15
250      Glu Phe Ser Met
251              20
253 <210> SEQ ID NO: 26
254 <211> LENGTH: 60
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: oligonucleotide-leader peptide coding sequence, synthesized
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259 <400> SEQUENCE: 26
260      atggcatgcc ctggcttcct gtgggcactt gtgatctcca cctgtcttga attttccatg      60
262 <210> SEQ ID NO: 27
263 <211> LENGTH: 28
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/23/2002
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:3; Line(s) 38
Seq#:4; Line(s) 49
Seq#:23; Line(s) 228
Seq#:26; Line(s) 258
Seq#:27; Line(s) 267
Seq#:28; Line(s) 277

VERIFICATION SUMMARY

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Input Set : N:\Crf3\Refhold\I549463A.raw

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L:8 M:270 C: Current Application Number differs, Wrong Format